ELSEVIER

Thermochimica Acta 245 (1994) 235

thermochimica acta

Author index

Amend, J.P. 89
Anakkar, A. 219
Ayral-Marin, R.M. 207

Bockowski, M. 207
Brückman, A. 231
Brun, G. 207
Buisine, J.-M. 219
Bureš, M. 145

Černý, S. 163

Daoudi, A. 219
Dvořák, L. 163

Gruszkiewicz, M.S. 155

Helgeson, H.C. 89
Hemminger, W. 181

Johnson, D.A. 173
Jun, J. 207

Kovář, M. 163
Krukowski, S. 207

Leitner, J. 189
Lübbers, M. 1

Majer, V. 121
Matsumoto, T. 45
Mimkes, J. 1
Moiseev, G.K. 21

Ott, J.B. 155

Porowski, S. 207

Record, M.C. 207
Růžička, K. 121
Růžička, Jr., V. 121

Sarge, S.M. 181
Šesták, J. 189
Sipowska, J.T. 155
Šponar, J. 83
Štěpánek, B. 189
Suga, H. 69
Suski, L. 57
Svoboda, V. 145

Tedenac, J.C. 207
Thomas, H.H. 1

Votavová, H. 83

Westrum, Jr., E.F. 173

Yamauchi, S. 45
Yokokawa, H. 45, 189

Zábranský, M. 121, 145

ELSEVIER

Thermochimica Acta 245 (1994) 237–240

thermochimica acta

Subject index

Activity coefficient
The activity coefficient at extremely low concentrations 231
Alcohol
Dependence of molar heat capacity of liquid alkanols C_3–C_5 on their structure 145
Alkali metal
Thermophysical properties of cubic elements 1
Alkanol
Dependence of molar heat capacity of liquid alkanols C_3–C_5 on their structure 145
Alkylbenzene
Vapor pressures for a group of high-boiling alkylbenzenes under environmental conditions 121
Apparatus
An apparatus for measuring the upper critical solution temperature using the effluent from a flow calorimeter: application to mixtures of acetonitrile with cyclohexane, propane and butane 155

Binary system
An apparatus for measuring the upper critical solution temperature using the effluent from a flow calorimeter: application to mixtures of acetonitrile with cyclohexane, propane and butane 155
Thermodynamics and phase equilibria data in the S–Ga–Sb system auxiliary to the growth of doped GaSb single crystals 189
Biomolecules
Relative stabilities of biomolecules at high temperatures and pressures 89

Calibration
Calibration as an aspect of quality assurance in differential scanning calorimetry (DSC) measurements 181
Calorimeter
A new approach to adsorption microcalorimetry based on a $LiTaO_3$ pyroelectric temperature sensor and a pulsed molecular beam 163
An apparatus for measuring the upper critical solution temperature using the effluent from a flow calorimeter: application to mixtures of acetonitrile with cyclohexane, propane and butane 155
Calorimetry
Stability and thermodynamics of DNA models 83
Carbonate
Equilibrium thermodynamic aspects of the molten carbonate fuel cell 57
Cell
Equilibrium thermodynamic aspects of the molten carbonate fuel cell 57
Chalcogenide
Phase diagram determination of II–VI semiconductors 207
Chemical potential
Thermodynamic database MALT2 and its applications to high temperature materials chemistry 45
Cinnabar
Phase diagram determination of II–VI semiconductors 207
Composition
Re-entrant behaviour in pressure–composition phase diagrams of liquid crystals 219
Concentration
The activity coefficient at extremely low concentrations 231
Cubic element
Thermophysical properties of cubic elements 1

Database
Thermodynamic database MALT2 and its applications to high temperature materials chemistry 45

Vapor pressures for a group of high-boiling alkylbenzenes under environmental conditions 121
Dielectric relaxation
Calorimetric investigation on glassy crystals 69
Dilution
The activity coefficient at extremely low concentrations 231
DNA
Stability and thermodynamics of DNA models 83
DSC
Calibration as an aspect of quality assurance in differential scanning calorimetry (DSC) measurements 181
DTA
Calorimetric investigation on glassy crystals 69
Phase diagram determination of II–VI semiconductors 207

EN 45001
Calibration as an aspect of quality assurance in differential scanning calorimetry (DSC) measurements 181
Enthalpy relaxation
Calorimetric investigation on glassy crystals 69
EVD
Thermodynamic database MALT2 and its applications to high temperature materials chemistry 45
Excess heat capacity
Estimation and resolution of heat capacities: lattice heat capacity morphology 173

Flow calorimeter
An apparatus for measuring the upper critical solution temperature using the effluent from a flow calorimeter: application to mixtures of acetonitrile with cyclohexane, propane and butane 155
Fuel
Equilibrium thermodynamic aspects of the molten carbonate fuel cell 57
Fullerene
Calorimetric investigation on glassy crystals 69

Gas
Dependence of molar heat capacity of liquid alkanols C_3–C_5 on their structure 145
GEFTA
Calibration as an aspect of quality assurance in differential scanning calorimetry (DSC) measurements 181
Glass transition
Calorimetric investigation on glassy crystals 69
Glassy crystal
Calorimetric investigation on glassy crystals 69

Heat capacity
Calorimetric investigation on glassy crystals 69
Estimation and resolution of heat capacities: lattice heat capacity morphology 173
Stability and thermodynamics of DNA models 83
Vapor pressures for a group of high-boiling alkylbenzenes under environmental conditions 121
Heat of adsorption
A new approach to adsorption microcalorimetry based on a $LiTaO_3$ pyroelectric temperature sensor and a pulsed molecular beam 163
Heat of vaporization
Vapor pressures for a group of high-boiling alkylbenzenes under environmental conditions 121
High boiling
Vapor pressures for a group of high-boiling alkylbenzenes under environmental conditions 121
High pressure
Relative stabilities of biomolecules at high temperatures and pressures 89
High temperature
Relative stabilities of biomolecules at high temperatures and pressures 89
Hydrogen bond
Dependence of molar heat capacity of liquid alkanols C_3–C_5 on their structure 145
Stability and thermodynamics of DNA models 83
Hydrogen fugacity
Relative stabilities of biomolecules at high temperatures and pressures 89
Hyperthermobarophilic microbe
Relative stabilities of biomolecules at high temperatures and pressures 89
Hysteresis
Phase diagram determination of II–VI semiconductors 207

HTS
Thermodynamic simulation in materials science and technology 21

Isomer
Dependence of molar heat capacity of liquid alkanols C_3–C_5 on their structure 145

Kinetics
Thermophysical properties of cubic elements 1

Lattice heat capacity
Estimation and resolution of heat capacities: lattice heat capacity morphology 173
Liquid
Dependence of molar heat capacity of liquid alkanols C_3–C_5 on their structure 145
Liquid crystal
Re-entrant behaviour in pressure–composition phase diagrams of liquid crystals 219
Lithium tantalum oxide
A new approach to adsorption microcalorimetry based on a $LiTaO_3$ pyroelectric temperature sensor and a pulsed molecular beam 163
LLE
An apparatus for measuring the upper critical solution temperature using the effluent from a flow calorimeter: application to mixtures of acetonitrile with cyclohexane, propane and butane 155

MALT2
Thermodynamic database MALT2 and its applications to high temperature materials chemistry 45
Mechanism
Phase diagram determination of II–VI semiconductors 207
Microcalorimetry
A new approach to adsorption microcalorimetry based on a $LiTaO_3$ pyroelectric temperature sensor and a pulsed molecular beam 163
Model
Thermodynamic simulation in materials science and technology 21
Molar heat capacity
Dependence of molar heat capacity of liquid alkanols C_3–C_5 on their structure 145
Myoglobin
Calorimetric investigation on glassy crystals 69

Phase equilibrium
Thermodynamics and phase equilibria data in the S–Ga–Sb system auxiliary to the growth of doped GaSb single crystals 189
Phase transition
Phase diagram determination of II–VI semiconductors 207
Precision
Estimation and resolution of heat capacities: lattice heat capacity morphology 173
Pressure
Re-entrant behaviour in pressure–composition phase diagrams of liquid crystals 219
Thermophysical properties of cubic elements 1
Program
Thermodynamic database MALT2 and its applications to high temperature materials chemistry 45
Protein
Stability and thermodynamics of DNA models 83
Pulsed molecular beam
A new approach to adsorption microcalorimetry based on a $LiTaO_3$ pyroelectric temperature sensor and a pulsed molecular beam 163
Pyroelectric
A new approach to adsorption microcalorimetry based on a $LiTaO_3$ pyroelectric temperature sensor and a pulsed molecular beam 163

Quality assurance
Calibration as an aspect of quality assurance in differential scanning calorimetry (DSC) measurements 181

Rare gas
Thermophysical properties of cubic elements 1
Re-entrant
Re-entrant behaviour in pressure–composition phase diagrams of liquid crystals 219

Semiconductor
Phase diagram determination of II–VI semiconductors 207
Thermodynamics and phase equilibria data in the S–Ga–Sb system auxiliary to the growth of doped GaSb single crystals 189
Simulation
Thermodynamic simulation in materials science and technology 21
Solid solution
Thermodynamics and phase equilibria data in the S–Ga–Sb system auxiliary to the growth of doped GaSb single crystals 189

SSE
Vapor pressures for a group of high-boiling alkylbenzenes under environmental conditions 121
Stability
Equilibrium thermodynamic aspects of the molten carbonate fuel cell 57
Relative stabilities of biomolecules at high temperatures and pressures 89
Stability and thermodynamics of DNA models 83
Superconductor
Thermodynamic simulation in materials science and technology 21

Temperature sensor
A new approach to adsorption microcalorimetry based on a $LiTaO_3$ pyroelectric temperature sensor and a pulsed molecular beam 163
Ternary system
Thermodynamics and phase equilibria data in the S–Ga–Sb system auxiliary to the growth of doped GaSb single crystals 189
Thermodynamic modelling
Thermodynamic simulation in materials science and technology 21
Thermodynamics
Equilibrium thermodynamic aspects of the molten carbonate fuel cell 57
Estimation and resolution of heat capacities: lattice heat capacity morphology 173
Relative stabilities of biomolecules at high temperatures and pressures 89
Stability and thermodynamics of DNA models 83
Thermodynamics and phase equilibria data in the S–Ga–Sb system auxiliary to the growth of doped GaSb single crystals 189
Thermophysical properties of cubic elements 1
Tie calorimetry
Stability and thermodynamics of DNA models 83
Trace
The activity coefficient at extremely low concentrations 231
Transition metal
Thermophysical properties of cubic elements 1

UCST
An apparatus for measuring the upper critical solution temperature using the effluent from a flow calorimeter: application to mixtures of acetonitrile with cyclohexane, propane and butane 155

Vapour pressure
Vapor pressures for a group of high-boiling alkylbenzenes under environmental conditions 121
VLE
An apparatus for measuring the upper critical solution temperature using the effluent from a flow calorimeter: application to mixtures of acetonitrile with cyclohexane, propane and butane 155
Vapor pressures for a group of high-boiling alkylbenzenes under environmental conditions 121
VSE
Vapor pressures for a group of high-boiling alkylbenzenes under environmental conditions 121
Volumetric priority
Estimation and resolution of heat capacities: lattice heat capacity morphology 173

Zinc blende
Phase diagram determination of II–VI semiconductors 207